

IN THE CLAIMS:

Please amend the claim as follows:

1. **(Currently Amended)** A method for winding a single coil of a coil unit for a linear motor, the single coil having a ~~shape of a nearly~~ substantially rectangular ring shape and comprising a conductive wire ~~as a whole~~, the method comprising the steps of:

~~the step of feeding out a~~ the conductive wire ~~serving as material for the single~~ coil in a direction of a Z-axis, a winding former being positioned with its a center at a point of origin on X- and Y-axes, wherein the X- and Y-axes are each orthogonal relative to each other and the Z-axis, the winding former having a plurality of locks for a the conductive wire at positions corresponding to vertices of ~~said~~ the substantially rectangle ring shaped coil and functioning as a base in winding the conductive wire into the substantially nearly rectangular ring shape, ~~where a direction for the conductive wire to be fed out is defined as the Z axis, and axes crossing at right angles within a plane perpendicular to the Z axis are defined as X- and Y-axes, respectively;~~

~~the~~ a first rotating step of rotating the winding former ~~by~~ 180 degrees about the ~~X-axis~~ Y-axis while locking ~~a single~~ the conductive wire fed in the direction of the Z-axis to ~~one of said~~ a first lock of the plurality of locks;

~~the~~ a second rotating step of rotating the winding former ~~by~~ 180 degrees about the ~~Y-axis~~ X-axis after the conductive wire is ~~rendered lockable to the next~~ locked to a second lock of the plurality of locks at the end of ~~in~~ the first rotating step;

the a third rotating step of rotating the winding former by 180 degrees about the ~~X-axis~~ Y-axis after the conductive wire is ~~rendered lockable to the next~~ locked to a third lock of the plurality of locks at the end of ~~in~~ the second rotating step; and

the a fourth rotating step of rotating the winding former by 180 degrees about the ~~Y-axis~~ X-axis after the conductive wire is ~~rendered lockable to the next~~ locked to a fourth lock of the plurality of locks at the end of ~~in~~ the third rotating step,

the first through fourth rotating steps being repeated subsequently to successively wind the conductive wire around the winding former ~~successively~~.

2. **(Withdrawn)** A single coil of a coil unit for a linear motor wound by the method of winding according to claim 1.

3. **(Withdrawn)** A method for forming a single coil of a coil unit for a linear motor, comprising the steps of:

loading the single coil according to claim 2 into a forming tool, and temporarily fastening the forming tool with the single coil wound around the winding former;

passing a predetermined current through the conductive wire to cause heat so that the conductive wire rises in temperature until it enters a plastic range; and

fastening the forming tool further from the temporarily-fastened state to shape the conductive wire in the plastic range into predetermined configuration.

4. **(Withdrawn)** A method for fabricating a coil unit for a linear motor, comprising the steps of:

cooling the single coil formed by the method of forming according to claim 3, and then removing the forming tool loaded;

preparing a plurality of single coils removed of forming tools, loading the same into a forming device for a unit, and fastening the same;

connecting the plurality of single coils to each other according to a specification of the coil unit; and

fixing the connecting conductors of the individual single coils with an adhesive.

5. **(Withdrawn)** A method for shaping a coil unit for a linear motor, comprising the steps of:

releasing the single coil according to claim 2 from said winding former;

preparing a plurality of single coils released from winding formers, loading the same into a first forming device for a unit, and temporarily fastening the same;

connecting the plurality of single coils to each other according to a specification of the coil unit;

loading the plurality of connected single coils into a second forming device along with the first forming device, and temporarily fastening the same;

passing a predetermined current through the conductive wires of the respective single coils to cause heat so that the conductive wires rise in temperature until they enter a plastic range;

fastening the first and second forming devices further from the temporarily-fastened state to form the wires in the plastic range into predetermined configuration; and,

after the forming, fitting a forming tool for compression.